

## APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR MO & EPH Survey DATE 1-77  
P.O. Box 250 ROLLA MO  
 Address City State

## DESCRIPTION OF WELL AND LEASE

Name of lease <u>ERDA TS</u>		Well number <u>NO 9-5</u>	Elevation (ground) <u>889</u>																																
WELL LOCATION (give footage from section lines) <u>19</u> ft. from (N) (S) sec. line <u>1050</u> ft. from (E) (W) sec. line																																			
WELL LOCATION Section <u>25</u> Township <u>33N</u> Range <u>33W</u>			County <u>Barton</u>																																
Nearest distance from proposed location to property or lease line: _____ feet		Distance from proposed location to nearest drilling, completed or applied – for well on the same lease: _____ feet																																	
Proposed depth: <u>155.8</u>	Rotary or Cable tools	Approx. date work will start																																	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir: _____ Number of abandoned wells on lease: _____																																	
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ inactive _____ abandoned _____																																	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input type="checkbox"/> Amt. _____ <div style="text-align: right;"> <input type="checkbox"/> ON FILE  <input type="checkbox"/> ATTACHED         </div>																																			
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.																																			
Proposed casing program: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">amt.</th> <th style="width:25%;">size</th> <th style="width:25%;">wt./ft.</th> <th style="width:25%;">cem.</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> </tbody> </table>		amt.	size	wt./ft.	cem.	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	Approved casing – To be filled in by State Geologist <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">amt.</th> <th style="width:25%;">size</th> <th style="width:25%;">wt./ft.</th> <th style="width:25%;">cem.</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> </tbody> </table>		amt.	size	wt./ft.	cem.	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
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I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. <div style="text-align: right;">Signature _____</div>																																			

Permit Number: 20011  
 Approval Date: 1-2-78  
 Approved By: Wallace B. Amis

☒ SAMPLES REQUIRED  
☐ SAMPLES NOT REQUIRED

Note: This Permit not transferable to any other person or to any other location.

WATER SAMPLES REQUIRED @:

Remit two copies to: Missouri Oil and Gas Council  
 P.O. Box 250 Rolla, Mo. 65401  
 One will be returned.

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL  
WELL LOCATION PLAT

Form OGC - 4

Owner: MO Geol Survey

Lease Name: ERDA TS 9-S County, BARTON

19 feet from (N) (S) line and 1050 feet from (E) (W) line of Sec. 25 Twp. 33N Range 33W


SCALE  
1" = 1000'

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

(SEAL)

Remit two copies to: Missouri Oil and Gas Council  
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One will be returned.

\_\_\_\_\_  
Registered Land Surveyor

# TEST BORING LOG

Project State of Missouri  
E.R.D.A.  
 Address Vernon County  
 City & State Nevada, Missouri

Boring No. S-9 Sheet 1 of 1  
 Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_  
 Date Started 11/2/77 Completed 11/3/77  
 Driller J. Wright Rig CME 750

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air  
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

*Sec. 25, T. 33N, R. 33W.*

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
0.0'	10.0'	Air				Soil, red silty clay
10.0'	11.0'	Air				Coal, weathered, earthy
11.0'	14.0'	Air				Underclay
14.0'	36.0'	Air				Shale, dark gray w/pyrite, lime streaks
36.0'	41.0'	Air				Sandstone, light gray, tar residue
41.0'	42.0'	Air				Coal, shaly
42.0'	43.0'	Air				shale, soft
43.0'	45.0'	Air				Sandstone, gray, some tar
45.0'	78.0'	Air				Shale, dark gray tr. coal at 68'
78.0'	84.0'	Air				Sandstone, gray, fine grained, tr. coal
84.0'	85.0'	Air				Underclay, soft
85.0'	103.0'	Air				Shale, gray, soft
103.0'	104.0'	Air				Coal
104.0'	105.0'	Air				Underclay, soft
105.0'	142.0'	Air				Shale, dark gray, hard
142.0'	155.8'	Air	Total depth			Chert, white to gray nodules embedded in green shale

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

(Completion)

## FR &amp; COMP

STATE	MISSOURI	8-3-86	MAP NO.	S-T-R	25-35N-33W	S
OPER	MISSOURI GEOL SURVEY			SPOT	APP NE NW NW	INIT
	P. O. BOX 250, ROLLA, MO			CO	BARTON	S
WELL	ERDA - TS	9-5		ELEV	889 GR	FIN
CONTR	LAYNE - WESTERN			19' fs1 & 1050' fw1 of Sec		
FIELD	WC					
IP	D & A					
	API 24-011-20011					
SPUD Jan 1977, no surf csg						
RTD 156, log						
D & A FIRST REPORTED AND COMPLETED JAN 1977						

## GR SPL TOPS:

WARNER	80 + 809
RTD	156 + 733
TD IN CHEROKEE	

COMP ISSUED 8-15-77



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# Petroleum Information. CORPORATION

*A Subsidiary of A.C. Nielsen Company*

*Sent 25 Aug 77 Wills*

Petroleum Information attempts to provide only the most reliable information. To assure complete and accurate well data, we have a program of confirming information secured from the operator of each well. Confirmation of data is sought after the well is completed.

Enclosed are completion tickets on one or more of your wells. We ask that you check the information published, indicate corrections of any errors, and add any additional data which you have that is not shown. Two copies of tickets for each well are furnished. You may wish to retain one for your files. Your marking the other copy with any confirming corrections or additions will be appreciated. For your convenience we have enclosed a self-addressed prepaid envelope.

Response to this program from both large and small companies has been most gratifying, indicating that the industry generally realizes the value of complete and accurate information on file.

Your help is greatly appreciated.

Sincerely,

PETROLEUM INFORMATION